



RANGE RESOURCES Contractor Safety

All Range contractors **must:**

- Protect the health and safety of themselves, other contractors, visitors, and the public.
- Follow all company safe work practices, operating guidelines, and government regulations.
- Report to work mentally capable and physically fit for duty to safely perform their job.
- Wear or use all personal protective equipment (PPE) required by Range, the hazard assessment, or by government regulation.
- Operate all vehicles and other equipment in a safe manner and within its rated capacity.
- Report to their supervisor any unsafe practices, hazards, conditions, or acts which may come to their attention.
- Report all incidents, near misses, injuries or illnesses to their supervisor.
- Notify their supervisor of any prescribed or over-the-counter medication that could impair their work performance.
- Notify their supervisor of any co-contractor that is impaired or under the influence of alcohol or drugs.
- Know where the emergency equipment, alarms, and emergency response numbers are located, and how to evacuate when working at facilities or work sites.
- Attend all safety meetings.
- Consult a Range supervisor if there is any doubt regarding the job procedure or the safety involved before proceeding with an assigned task.
- Assist their supervisor and the Range EHS Representative, in the inspection and investigation of accidents, incidents and workplace hazards.
- Ensure that all contractors have the capability to communicate effectively with their Range site supervisor.
- Ensure that all contractors call for assistance when needed and that they do not attempt to do a hazardous job alone, if possible.
- Ensure contractors understand that Range reserves the right to conduct search and seizure of anyone on Range locations or property.
- Cooperate with Range in loss prevention measures.

All Range Contractors shall **not:**

- Bring alcohol or drugs onto Range locations or property.
- Bring explosives, ammunition, firearms or other weapons onto Range locations or property without explicit consent from Range management.

- Communicate with the media concerning any Range company matters without the explicit consent of Range management.
- Attempt to provide gifts to Range personnel other than of nominal value.

Visitors to Range work sites must:

- Follow the instructions of the site supervisor.
- Wear the appropriate personal protective equipment (PPE) when required.
- Never walk about the work site unescorted.
- Sign Guest Waiver

Right to Refuse Unsafe Work. No contractor is expected or required to do any work that may place themselves, other contractors, or the public in imminent danger. If a contractor refuses to perform work, they are responsible for immediately notifying their supervisor and explaining the circumstances of the refusal.

Right to Participate: Every contractor has the right to participate in their Health and Safety at their workplace. This includes participating in field hazard assessments or workplace inspections.

Right to Know: Every contractor has the right to know what hazards exist at their workplace. If hazards do exist in the workplace, it is the employer's responsibility to inform the contractors that could be affected by these hazards.

Hazard Communications. Range requires the following hazard communication training. In the United States: **Hazard Communications (HAZCOM).**

The Hazard Communication system is designed to provide contractors with information and training in the hazardous substances used in their work area in order to prevent injury or illness due to handling or contact with hazardous substances.

Material Safety Data Sheets (MSDS's). Each Range facility maintains a list of hazardous chemicals present at the facility and a Material Safety Data Sheet (MSDS) for each hazardous chemical. Contractors will be informed of the location of each hazardous chemical at the facility and the location of the hazardous chemical list and MSDS's. **Contractors must:**

- Read or have previously read the MSDS for each controlled product, the instructions for its use, and follow other site-specific instructions prior to handling or using a controlled product.
- Wear and properly use the PPE recommended on the MSDS.
- Not open or handle containers unless they are properly labeled.

Incident Reporting. All incidents must be reported immediately to your supervisor and your Range Representative.

Training and Orientation. The site supervisor should give a detailed safety orientation to each new contractor scheduled to perform a task on an **Range** work site. Depending on the work task to be performed, contractor orientation could include:

- Review of this information sheet,
- Identification of restricted areas,
- Identification of authorized smoking areas,
- Fire protection equipment and procedures,
- Emergency signals and plans,
- Evacuation or escape routes, and
- Safe work practices relevant to the task to be done.

Contractor Safety Meetings. Pre-job safety meetings shall be conducted before the start of any new job or unfamiliar task. The purpose of the pre-job meeting is to discuss:

- Method of performing the task,
- Hazards likely to be encountered on the job or at the work site,
- Procedures to control hazards,
- Communication requirements,
- Contents of the Safe Work Permit, and
- Rescue procedures and equipment.
- Co-operate with Range in conducting general safety and pre-job meetings.
- Document attendees and the items discussed at safety meetings.
- Encourage contractors to raise safety concerns at these meetings.

Personal Protective Equipment Policy All contractors working at Range work sites shall comply:

- With Range's Personal Protective Equipment (PPE) and Clothing Guideline, or
- With the contractor's PPE and Clothing Policy if the contractor's Guideline provides equal or greater protection.

Contractors will be informed of the PPE and Clothing Guideline requirements at the time of hire. For further details, consult your Range Representative.

Basic PPE that must be worn and used at all times at Range work sites includes:

- Head protection (hard hats)
- Hand protection (work gloves)
- Protective footwear (safety boots)
- Eye protection (safety eye glasses)
- Hearing protection (ear plugs)

Respiratory Protection. All contractors must wear respiratory protection when the atmosphere at the work site is:

- Oxygen-deficient (<19.5% O₂ by volume),
- Contaminated with concentrations of hazardous gases, mists or aerosols in excess of acceptable **Occupational Exposure Limits (OELs)** or if **Immediately Dangerous to Life and Health (IDLH)**, or
- Contaminated due to a work activity that produces or releases excessive dust or noxious gases.

Reporting of Hazards. All contract contractors working on Range work sites are responsible for:

- Reporting promptly to their supervisor or an Range Representative any hazardous condition.
- Taking the necessary steps to reduce or eliminate the hazard (i.e., barricading the area or placing warning devices to keep people away from the hazard).

Safe Work Permit is an agreement between the Permit Issuer (Range Representative) and the Permit Receiver (employee or contractor). The Safe Work Permit is designed to ensure:

- All potential hazards associated with the job (including adjacent work areas) are identified and addressed prior to starting work.
- The conditions (i.e., equipment isolation, atmospheric testing, etc.) under which the work can proceed are clearly understood.
- That all required safety precautions (i.e., PPE, rescue equipment, SCBA, etc.) and company operating standards are followed when certain types of hazardous or potentially hazardous work are undertaken.

A Safe Work Permit is primarily issued for non-routine work; however, a Safe Work Permit will be required for routine work if contractors are exposed to hazards over and above those normally associated with routine work.

Range also issues a "Term" Safe Work Permit, when it is impractical to issue a Safe Work Permit for repetitive routine work (i.e., facility and lease maintenance, product hauling, etc.). This permit is valid for a specific time period as determined by Range's work site supervisor.

Jobs Requiring Safe Work Permits may include, but are not limited to:

- Hot Work
- Rotating Machinery maintenance
- Electrical Work
- Handling Dangerous Goods
- Confined Space Work
- Ditching, Trenching, and Excavation Work (Ground

- Vehicle or Contractors Entry into Hazardous Areas
- Portable Heaters

Contractors are not permitted to deviate from the conditions recorded on the Safe Work Permit, even if an alternative method seems necessary or appears to incorporate a safer procedure. In all circumstances, a new Safe Work Permit must be issued if conditions change.

Alcohol and Drugs. All Range contractors are expected to be fit for duty when reporting for work and to remain fit for the duration of the workday. This means that contractors must not be impaired or suffering from the after-effects of alcohol, illegal drugs, over-the-counter and/or prescription drugs.

- Possession or consumption of alcoholic beverages or illegal drugs (includes drug paraphernalia) on company property is also prohibited.
- Contractors must advise their supervisor, prior to starting work, of any performance impairment which might be expected due to the use of over-the-counter or prescription medication.

Safe Driving Practices. All drivers shall proceed as follows:

- Operate the vehicle in compliance with your company policy.
- Report all vehicle accidents which occur on Range properties to Range as soon as possible.
- Operate vehicles according to the posted/known speed limits. Consult your designated Range Representative if you are unsure.
- Wear a seat belt when in a moving vehicle if one is available.
- Electronic devices not approved for use in flammable atmospheres (e.g., cell phones) must not be in the vicinity when refueling the vehicle.
- No vehicle shall approach or park within 8 yards (7.5 meters) of any wellhead, piping, process vessel, or tank containing combustible fluids.
- The use of cellular phones while driving is not recommended.
- Observe all signs and site directions on work sites. Pedestrians have the right-of-way on all Range work sites.

Environmental Protection Guidelines.

Range is committed to protecting the environment during all phases of its operations. All contractors working for, or contracted to, Range are expected to follow Range guidelines and all environmental regulations.

All contractors shall accept responsibility for environmental protection. Independent contractors who are involved in the transportation or handling of products owned by Range or who provide other services to Range shall also be prepared to demonstrate an understanding of potential hazards of their

Hydrogen Sulfide (H₂S) gas is a colorless, flammable gas having an offensive odor and a sweetish taste. It is highly toxic and extremely hazardous, because it is heavier than air (density 1.19). Having a characteristic odor of rotten eggs, This gas quickly weakens the sense of smell making this an unreliable method of detecting hazardous concentrations.

If there is any suspicion of the presence of a hazardous concentration of H₂S, evacuate the work site area immediately (upwind). Range's operations contractors shall be contacted prior to re-entering the work site in question.

Concentration (PPM)	Health Effects
0.01 - 0.3	Lower odor threshold.
1 - 5	Moderate to strong offensive odor may create nausea, tearing of the eyes, headaches or loss of sleep upon prolonged exposure
10	8-hour occupational exposure limit.
15 (AB) 10 (BC)	15-minute occupational exposure limit.
100	Eye and lung irritation.
150	Deadens sense of smell - severe eye and lung irritation.
500	Serious damage to the eyes within 30 minutes; severe lung irritation; unconsciousness and death within 4 to hours.
1000	Breathing stops with one or two breaths.

In the Event of a Release

- **Evacuate:** get to safety (upwind, crosswind, higher ground).
- **Alarm:** call or signal for help.
- **Assess:** do a head count and evaluate the site hazards.
- **Protect:** put on SABA or SCBA before attempting a rescue.
- **Rescue:** remove victims to a safe area.
- **Revive:** apply artificial respiration if necessary.
- **Medical Aid:** arrange to get victims to medical aid; supply medical contractors with information on H₂S exposure.

EVALUATE

"Evaluate job sites and processes for hazardous conditions"

1. **EVALUATE** any potential hazards on the work site, and take the steps necessary to eliminate or control any and all identified hazards.

WALKING/WORKING SURFACES

Hazardous walking/working surfaces may exist on job sites and/or facilities. Containment and liners may be slippery with rain, snow or spilled drilling fluids. Use caution at all times when walking on containment pads. The liners used for impoundments will exhibit the same hazardous walking conditions when wet.

2. **EVALUATE** your assigned task and proposed task procedure, and consult your supervisor, or a Range representative, if there is any doubt regarding a job procedure or safety concern before proceeding.
3. **EVALUATE** the potential hazards of the following materials:

HYDROGEN SULFIDE GAS (H₂S)

H₂S is a colorless, flammable, toxic gas that has an offensive odor similar to a "rotten egg" smell. Gas is heavier than air settling in low lying areas.

Concentration (PPM)	Health Effects
0.01 – 0.3	Lower Odor Threshold
1 – 5	Moderate to strong offensive odor. May cause nausea, tearing of the eyes, headaches, or loss of sleep with prolonged exposure.
10	8-hour occupational exposure limit.
15	15-minute short term exposure limit.
100	IDLH. Eye and lung irritation.
150	Deadens the sense of smell – severe eye and lung irritation.
500	Serious damage to the eyes within 30 minutes. Severe lung damage. Unconsciousness and death within 4 – 8 hours.
1000	Breathing stops and death occurs within one or two breaths.

CRUDE OIL

Crude oil has a flash point of less than 100° F. Containers of crude oil must be bonded and grounded. Overexposure may cause health effects. Vapors are heavier than air.

NATURAL GAS – METHANE (CH₄)

Natural gas has a flammable range of 5% to 15%. Natural gas is lighter than air.

Considered non-toxic, the release of natural gas in confined areas may displace atmospheric oxygen.

CONDENSATE

Condensate vapors have an LEL at 1.4% in air. The vapors are heavier than air, and will move to and possibly settle in low areas.

PRODUCED WATER (BRINE)

Although not considered to be toxic, brine water may cause irritation to the eyes, skin, throat, and gastro-intestinal tract if exposure occurs.

OXYGEN (O₂) CONCENTRATION

O₂ below 19.5% may lead to unconsciousness or death; above 23.5% fires burn more vigorously.

INVESTIGATE

"Investigate and report all incidents and near hits"

1. **INVESTIGATE** all incidents, including near hits, for the cause of the incident. Incidents of moderate severity or greater must have a root cause analysis completed, along with assigned corrective actions.
2. **INVESTIGATE** the logistics of the work site:
 - ✓ Know the location ID and 911 address.
 - ✓ Know where emergency alarms, emergency equipment, and emergency contact numbers are located and how to use/activate them.
 - ✓ Know the evacuation procedures and muster point(s) used during an emergency.
3. **INVESTIGATE** the hazards of the assigned tasks and do not attempt to complete an assignment without first completing a JSA.

OPERATE

"Operate only the equipment for which you are qualified and authorized"

1. **OPERATE** only those vehicles or mobile equipment, in which you are qualified. Be prepared to present a current certification card or qualification document to a Range representative.
2. **OPERATE** all vehicles and mobile equipment on Range job sites or facilities following the below listed guidelines:
 - ✓ Operate your vehicle in a safe and responsible manner within the vehicles rated capacities;
 - ✓ Follow all speed limits and warning signs;
 - ✓ Always back into spaces unless unable to park in a manner where you can pull forward to exit;
 - ✓ Spotters must be used when backing CMVs and vehicles with restricted rear view. Spotters must maintain direct and constant line of sight with driver. Drivers immediately stop if they lose sight of the spotter.

- ✓ Wear seat belts at all times in vehicles while moving;
 - ✓ Do not use a cell phone while operating any motor vehicle or mobile equipment.
 - ✓ Never park closer than 25 feet from any well head, piping, process vessel, tank, or other process equipment, unless given permission.
 - ✓ Pedestrians always have the right of way.
3. **OPERATE** with the appropriate safe work permit, confined space, entry, hot work, etc.

EDUCATE

"Educate workers on their rights and responsibilities"

1. **EDUCATE** contractors on Range's Safety policies and practices including regulatory requirements.
2. **EDUCATE** workers on **STOP WORK AUTHORITY**
 - ✓ Anyone has the right to stop work when an "Imminent Danger" condition exists.
 - ✓ Examples of possible imminent danger conditions include, but are not limited to:
 - i. The uncontrolled release or ignition of natural gas or condensate;
 - ii. Elevated levels of H₂S;
 - iii. Working under elevated loads; and,
 - iv. Failure to complete and maintain appropriate safe work permits.
 - ✓ Workers have the right to refuse to perform unsafe work and must immediately notify their supervisor.
3. **EDUCATE** workers on their right to know potential hazards could be present and how they could be affected by exposure to those hazards.
4. **EDUCATE** workers that Range reserves the right to conduct a search of any person, vehicle, mobile equipment, temporary residence, or job trailer on a Range job site or facility, at any time.
5. **EDUCATE** workers on the hazards of chemical additives used during work processes.
 - ✓ Different operations use different chemicals and additives – be aware of any distinct hazards.
6. **EDUCATE** workers on what to do in the event of a release of H₂S, CH₄, condensate, or other hazardous material or substance:
 - ✓ Sound the alarm and call 911, if necessary;
 - ✓ Evacuate the area, preferably upwind, uphill;
 - ✓ Safely eliminate all sources of ignition;
 - ✓ Do not attempt to rescue anyone possibly victims without wearing all appropriate PPE;
 - ✓ If safe to do so, remove victims to a safe atmosphere away from the hazardous area;
 - ✓ Provide if needed first aid and/or CPR; and,
 - ✓ Do not re-enter the hazardous area until the all clear sign is given.